

FIG. I

TAG ATTTACGTTTCGGAATGCAGTCTGAAACCGCATTCGACCAAGGAACCTTACG

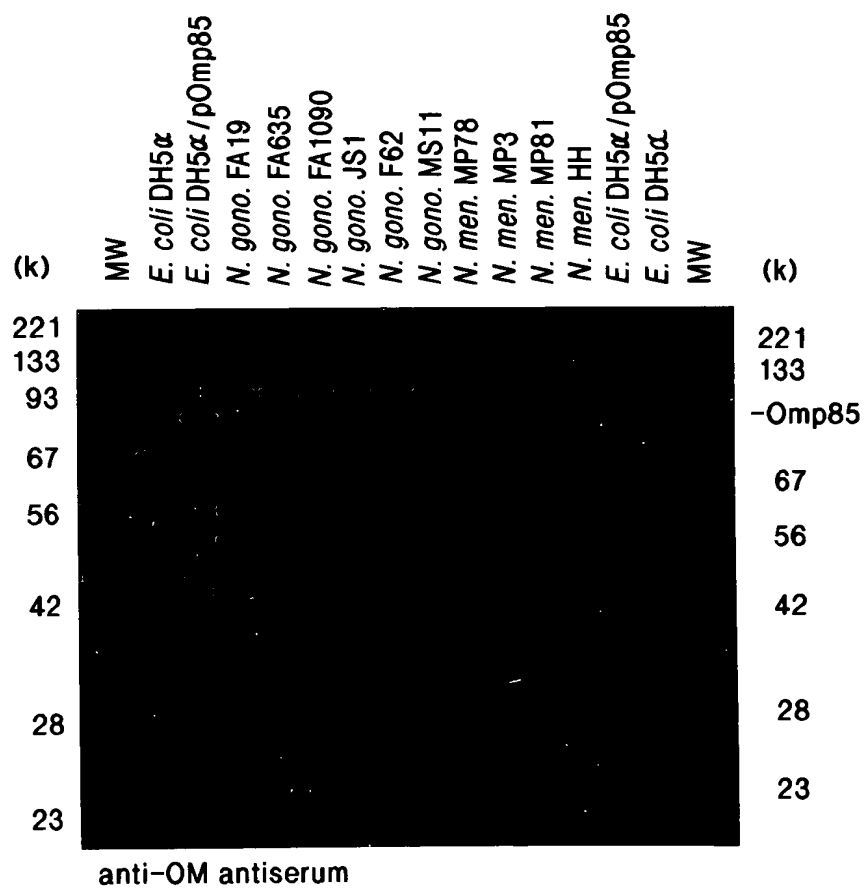
1	ATGAAACTGAAACAGATTTGCCTCCGCACCTGATGATGTTGGGCATATCGCCTTTGGCATTTGCCGACTTCCACCATC	25
76	M K L K Q I A S A L M M L G I S P L A F A A D F T I CAAGACATCCGTGTGCAAGGCTTGACGGGTACCGAGCCGAGCACCGTATTCAAACTACCTGCCCCGTCAAAGTCGGC	50
151	Q D I R V E G L Q R T E P S T V F N Y L P V K V G GACACCTACAACGACACACACGCGAGTGCCTATCATCAAAAGCCTGTACGCCACCGGTTTCTTTGACGACGTACGA	75
226	D T Y N D T H G S A I I K S L Y A T G F F D D V R GTCGAACTGCGGACGGGCTGCTTCTGCTGACCGTTATCGTATGCCCTACCATCGGCTCGCTCAACATCACCCGGC	100
301	V E T A D G L L L T V I V C P T I G S L N I T G GCCAAATGCTGCAGAACGACGCCATCAAGAAAACCTCGAATCGTTCCGGCTGGCGCAGTCGCAATACTTTAAT	125
376	A K M L Q N D A I K K N L E S F G L A Q S Q Y F N CAGCGACACTCAACCCAGGCAGTCGCCGCCCTGAAAGAAATATCTCGGGCGGGCAAACCTCAATATCCAAATC	150
451	Q A T L N Q A V A G L K E E Y L G R G K L N I Q I ACGCCCAAAGTAACCAACTCGCCCGCAACCGCGTCGACATCGACATCAGATTGACGAGGGCAAATCCGCCCAA	175
526	T P K V T K L A R N R V D I D I T I D E G K S A K ATCACCGACATCGAATTTGAAGGCAACCAAGTCTATTCCGACCGCAAACTGATGCGGCAGATGTCGCTGACCCGAA	200
601	I T D I E F E G N Q V Y S D R K L M R Q M S L T E GGCGGCAATTTGGACATGGCTGACACGAGCGACCGGTTCGACCGCCAGAAATTCGCCCAAGACATCGGAAAAAGTA	225
676	G G I W T W L T R S D R F D R Q K F A Q D M E K V ACCGACTTCTACCAGAACACGGCTACTTCGATTTCCGTATCCTCGATACCGACATCCAAACCAACGAAGACAAA	250
751	T D F Y Q N N G Y F D F R I L D T D I Q T N E D K ACCAGGCAGACCATCAAAATCACCGTCCACGAAGGCGGACGTTTCCGCTGGGCGAAAGTGTGATTGAAGGGCAG	275
826	T R Q T I K I T V H E G G R F R W G K V S I E G D ACCAACGAAGTCCCCCAAGGCCGAACCTGCTGACCATGAAGCCCGGCAAAATGGTACGAACGCCAGCAG	300
901	T N E V P K A E L E K L L T M K P G K W Y E R Q Q ATGACCGCCGTTTTGGGTGAGATTCAGAACCCGCATGGGCTCGGCAGGCTACGCATACAGCGGAAATCAGCGTACAG	325
	M T A V L G E I Q N R M G S A G Y A Y S E I S V Q	

FIG. 2B

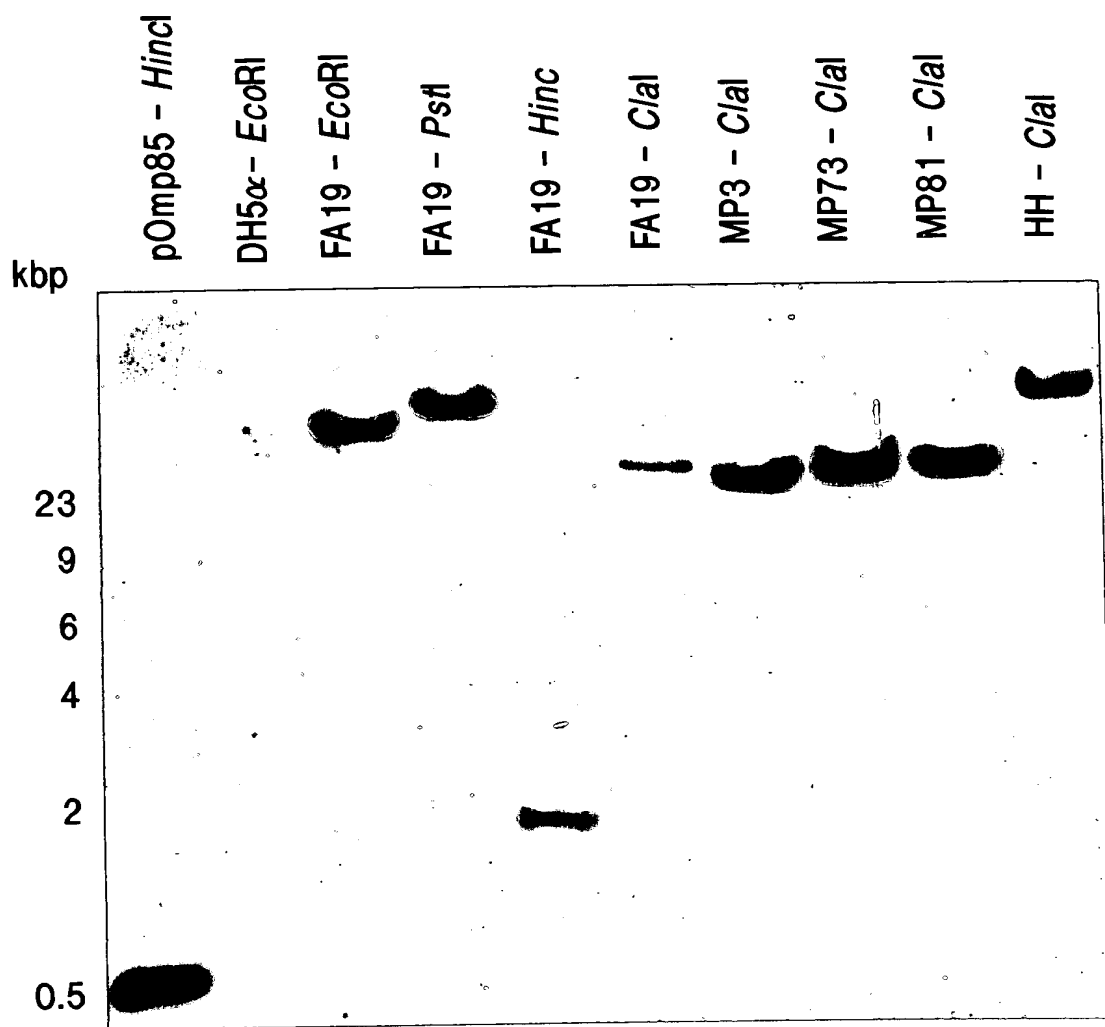
976	CCGCTGCCGAACGCCGGAACCAAAACCGTCGATTTCGTCTCTGCACATCGAAACGGGCAGAAAAATCTACGTCAAC	350
1051	P L P N A G T K T V D F V L H I E P G R K I Y V N	
	GAAATCCACATCACCGGCAACAACAACCCGCGACGAAGTCGTGCGCCGGAATTGCGCCAAATGGAATCCGCG	375
1126	E I H I T G N N K T R D E V V R R E L R Q M E S A	
	CCTTACGACACCTCCAAGCTGCAACGCTCCAAAGAGCGCGTCGAGCTTTTGGGCTACTTCGACAAACGTACAGTTT	400
1201	P Y D T S K L Q R S K E R V E L L G Y F D N V Q F	
	GATGCCGTCCCGCTTGCCGGTACGCCGACAAAGTCGATTGAACATGAGCCTGACCGAAACGTTCCACCGGCTCG	425
1276	D A V P L A G T P D K V D L N M S L T E R S T G S	
	CTCGACTTGAGCGCGGGCTGGGTTCAAGATACCGGCTTGGTCAATGTCCGCCGCGGTATCGCAGGACAACCTGTTC	450
1351	L D L S A G W V Q D T G L V M S A G V S Q D N L F	
	GGTACGGGCAAGTCGGCGCCCTGCGCGCCTCGCGAAGCAAAACCACGCTCAACGGCTCGCTGTCGTTTACCGAC	475
1426	G T G K S A A L R A S R S K T T L N G S L S F T D	
	CCGTACTTCACGGCAGACGGGGTCAGCCTGGCTACGATATTACGGAAAAGCCTTCGACCCCGCAAGCATCG	500
1501	P Y F T A D G V S L G Y D I Y G K A F D P R K A S	
	ACCAGCGTCAAAACAATATAAAACCACCACCGCGCGCGGTAAAGGATGGGTATCCCCGTTACCGAATACGAC	525
1576	T S V K Q Y K T T A G G G V R M G I P V T E Y D	
	CGCGTCAATTTCGGGCTGGCGGGGAACACCTGACCGTCAACACCTACAACAAGCACCCCAACGCTATGCCGAC	550
1651	R V N F G L A A E H L T V N T Y N K A P K R Y A D	
	TTTATCAAAACAATACGGCAAAACCGACGGCGCAGCGGTCAAAAGCCTGCTGTACAAGGCACGTGCGGC	575
1726	F I K Q Y G K T D G A D G S F K G L L Y K G T V G	
	TGGGGCGCAACAAGACCGACAGCGCCTTATGCCGACCGCGGCTACCTGACCGCGGTAAATGCCGAAATCGCC	600
1801	W G R N K T D S A L W P T R G Y L T G V N A E I A	
	CTGCCCGGCAGCAAACTGCAATACTACTCCGCCACCCACAACCACTGGTTCTTCCCTTAAGCAAAACCTTC	625
1876	L P G S K L Q Y Y S A T H N Q T W F F P L S K T F	
	ACGCTGATGCTCGGCGGCAAGTCGGCATTGCGGCGGCTACGGCAGAACCAAGAAATCCCCTTCTTTGAAAC	650
1951	T L M L G G E V G I A G G Y G R T K E I P F F E N	
	TTCTACGGCGGGCCTGGGTTTCGGTGGCGGCTACGAAAGCGGCACGCTCGGCCCGCAAGTGTATGACGAATAC	675
	F Y G G G L G S V R G Y E S G T L G P K V Y D E Y	

FIG. 2C

2026	GGCGAAAAATCAGCTACGGGGCAACAAAAAGCCAAACGTCTCCGGCCGAGCTGCTCTTCCCGATGCCCGGTGCCG	700
	G E K I S Y G G N K K A N V S A E L L F P M P G A	
2101	AAAGACGCACGCCGTCCGCCTGAGCCTGTTTCCGACGCAGGCAGCGTGTGGACGGCAGAACCTATACCGCC	725
	K D A R T V R L S L F A D A G S V W D G R T Y T A	
2176	GCCGAAAACGGTAACAACAAATCGGTTTACTCGGAAAAACGGGCATATAATCCACCTTTACCAACGAAATTGCGCTAT	750
	A E N G N N K S V Y S E N A H K S T F T N E L R Y	
2251	TCCGCCGGCGGGTTACCTGGCTCTCGCCTTTGGGCCCGATGAAATTTCATCTACGCCCTACCCGCTGAAGAAA	775
	S A G G A V T W L S P L G P M K F I Y A Y P L K K	
2326	AAACCGGAAGACGAAATCCACGCTTCCATTCCAGCTCGGCACGACGTTTAA CCGCAAAATGCCGTCTGAAG	792
	K P E D E I Q R F Q F Q L G T T F	
2399	<u>CCCTTCAGACGGCATTTCGGGGCAACATCCGAAGGAGTTTACC</u> ATG	



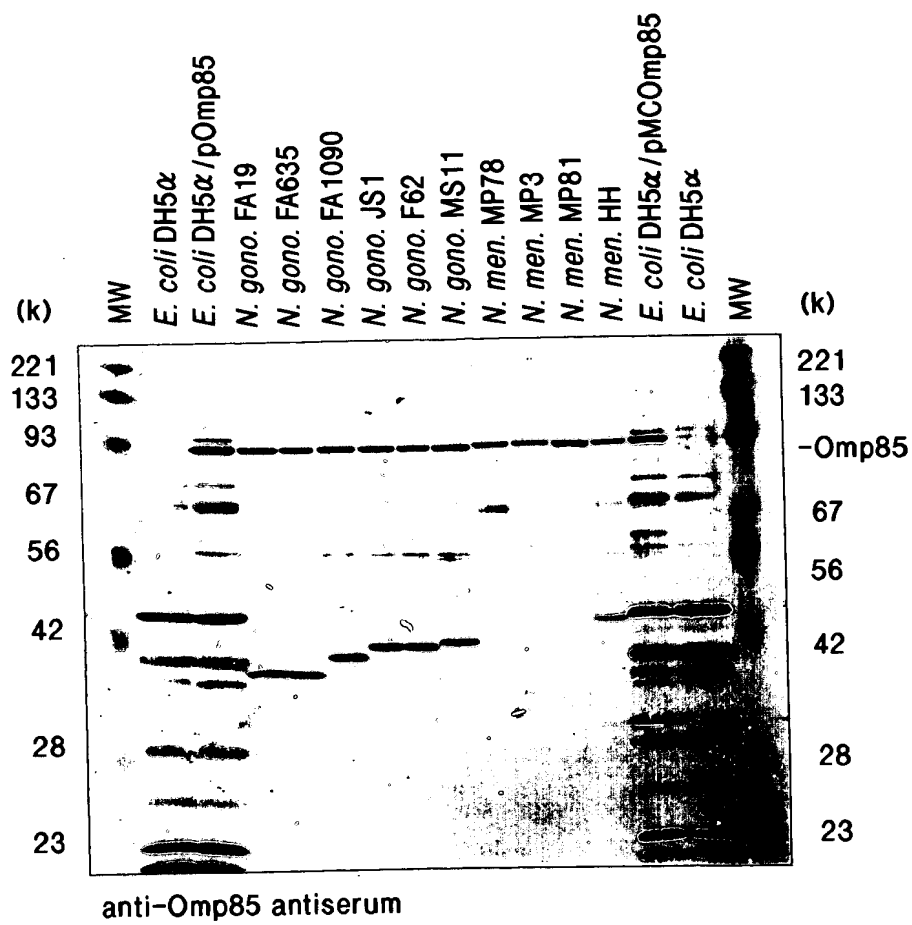
**FIG. 3**



**FIG. 4**

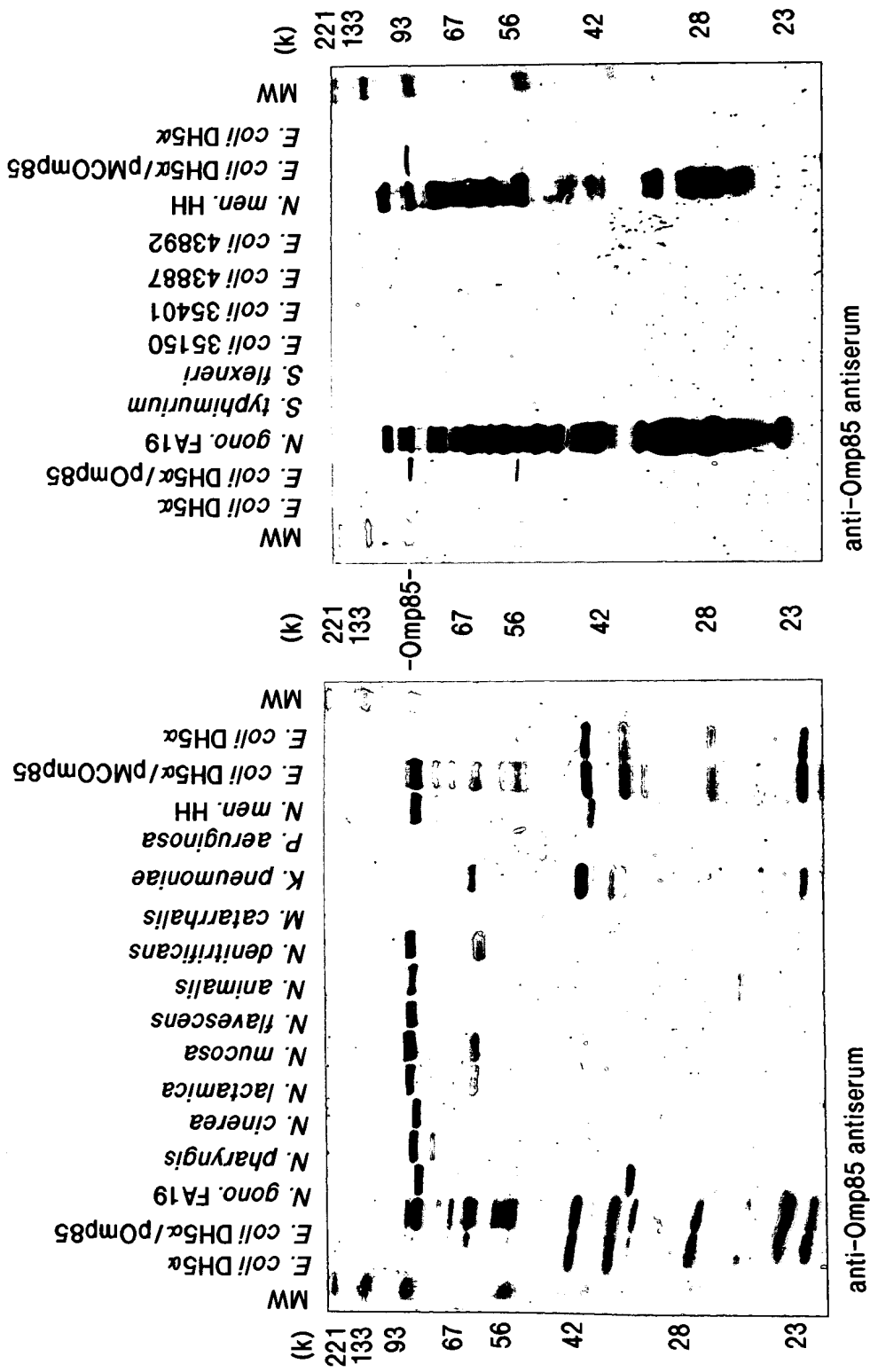
FIG. 5

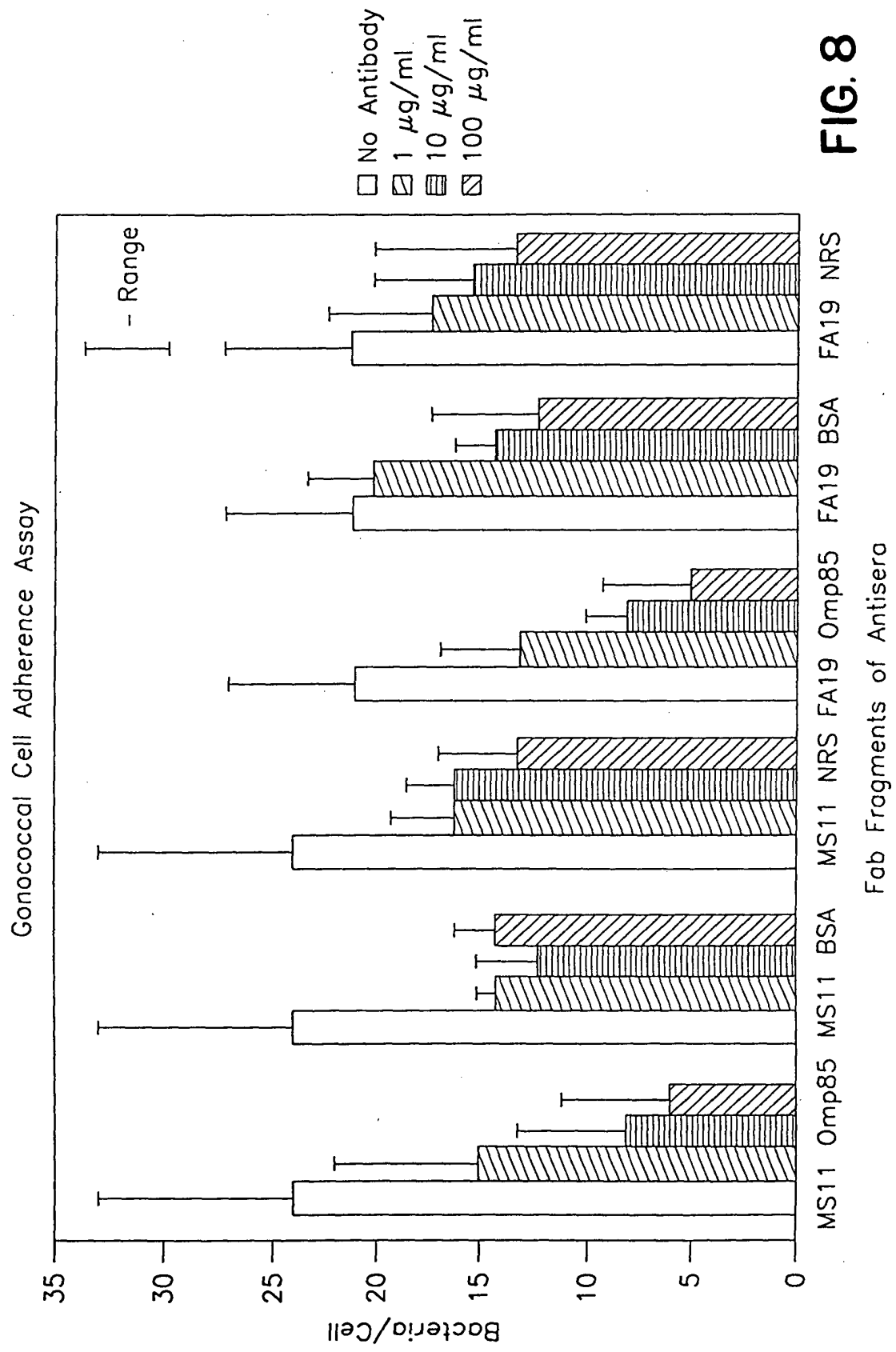
MKLKQIASALMMLGISPLAFADFTIQDIRVEGLQRTPESTVFNLPVKVGDTYNDTHGSAIIKSLYATGFFDDVRVETAD	80
GQLLLTVIERPTIGSLNITGAKMLQNDAIKKNLESFGLAQSQYFNQATLNQAVAGLKEEYLGKGLNIQITPKVTKLAR <sub>N</sub>	160
RVDIDITIDEGKSAKITDIEFEGNQVYSDRKL <sub>M</sub> ROMSLTEGGI <sub>W</sub> TWLT <sub>R</sub> SNQENEQKFAQDMEKVTD <sub>F</sub> YQNNGYDFD <sub>R</sub> IL	240
DR DR	
DTD <sub>I</sub> QTNEDKTKQTIK <sub>I</sub> TVHEGGRFRWGKVSIEGDTNEVPKAELEKLLTMKPGK <sub>W</sub> YERQQMTAVLGEIQNRMGSAGYAYS	320
EISVQPLPNAETKTVD <sub>F</sub> VLHIEPGRKIYVNEIHITGNNKTRDEVVRRELROMESAPYDTSKLQ <sub>R</sub> SKERVE <sub>L</sub> LLGYEDNVQF	400
DAVPLAGTPDKVDLNM <sub>S</sub> LTERSTGSLDLSAGWVQDTGLVMSAGVSQDNLF <sub>G</sub> TGKSAALRASRSKTTLNGSL <sub>S</sub> FTDPYFETA	480
DGVS <sub>L</sub> LGVDVYGKAFDPRKASTSIKQYKTTTAGAGIRMSVPVTEYDRVNFGLVAEHLTVNTYNKAPKH <sub>Y</sub> ADFIKKY <sub>G</sub> KTDG	560
I V G V GI A R Q	
TDGSF <sub>K</sub> GWLYKGTVGWGRNK <sub>T</sub> DSALWPTRGYLTGVNAEIALPGSKLOYY <sub>S</sub> ATHNQ <sub>T</sub> WFFPLSKTFTLMLGGEVGIAGQYG	640
A L	
RTKEIPFFENFYGGGLG <sub>S</sub> VRGYESGTLGPKVYDEYGEKISYGGNKKANVSAELLFPMFGAKDARTVRLSLFADAGSVWDG	720
KTYDDNSSSATGGRVQNIYGAGNTHKSTFTNELRYSAGGAVTWLSP <sub>L</sub> GP <sub>M</sub> KFRYA <sub>Y</sub> PLKKKPEDEIQRFQ <sub>L</sub> GTTF	797
R ***TAAEN NN*KSV *SE A I	



**FIG. 6**







**FIG. 8**